

Patent Claims

1. A child seat which can be fastened to a vehicle seat of a motor vehicle by means of a three-point seat belt, the three-point seat belt being equipped with a tightening device, with a belt system for securing a child sitting on the child seat, characterized in that the three-point seat belt (14) is coupled to the belt system of the child seat (1).
2. The child seat as claimed in claim 1, characterized in that a tightening of the three-point seat belt (14) activates a coupling element which is connected to the belt system of the child seat and causes a tightening of the belt system of the child seat (1).
3. The child seat as claimed in claim 2, characterized in that the coupling element is a belt strap (12), the first free end of which is connected to the three-point seat belt (14) and the second free end of which is connected to the belt system of the child seat (1).
4. The child seat as claimed in one of claims 1 to 3, characterized in that the three-point seat belt (14) is guided about an upper and a lower belt deflection (4, 5) on the child seat (1), the lower belt deflection (5) being activated when the three-point seat belt (14) is tightened.
5. The child seat as claimed in claim 4, characterized in that the lower belt deflection (5) is designed as a clip (13) which is mounted on a lower transverse strut (5).
6. The child seat as claimed in claim 4, characterized in that the upper belt deflection is designed as an upper transverse strut (4).
7. The child seat as claimed in either of claims 5 and 6, characterized in that the upper transverse strut (4) is connected to the lower transverse strut (5) by two side cheeks (6, 7).
8. The child seat as claimed in one of claims 1 to 7, characterized in that the first end of the belt strap (12) is fastened to the clip (13).
9. The child seat as claimed in one of claims 1 to 8, characterized in that the belt system comprises a harness belt, with a Y-distributor (8) for the harness belt being provided in the back rest (3).
10. The child seat as claimed in claim 9, characterized in that the second end of the belt strap (12) is fastened to the Y-distributor (8).

11. The child seat as claimed in claim 10, characterized in that the belt strap (12) is guided via deplecting bars (21a, 21b, 21c, 21d, 21e).

12. The child seat as claimed in claim 11, characterized in that the belt strap (12) is guided via a tensioning pulley (22) which is held displaceably in a linear guide (23).

13. The child seat as claimed in claim 12, characterized in that the tensioning pulley (22) is connected to a latching device of the belt system via a belt strap (27).

14. The child seat as claimed in one of claims 1 to 13, characterized in that a force-limiting system having means for limiting the maximum belt force is provided.

15. The child seat as claimed in claim 14, characterized in that the force-limiting threshold of the means for limiting the maximum belt force is dependent on the belt length or belt position set.

16. The child seat as claimed in one of claims 1 to 15, characterized in that a fastening system is provided with which the child seat is fastened to the supporting structure of the vehicle.